

SYSTEM/3 MODEL 10 DISK RPGII VERSION 15, MODIFICATION LEVEL 00

31/08/08

H

MASMIN

RG 004

0001	FDUMMY	IP	80	DISK
0002	FKBRD	ID	3	CONSOLE
0003	FOUTPUT	O	27	CONSOLE

0004	E		AA	9	4
0005	E		AC	4	1
0006	E		AE	9	1 0
0007	E		AF	9	1 0
0008	E		AG	4	1
0009	E		FAR	7	7 6
0010	E		AH	4	1

0011	IDUMMY	NS	01		
0012	I			1	80 DATA
0013	IKBRD	NS	01		
0014	I			1	2 ANSW2
0015	I			1	1 ANS

0016	C		START	TAG	
0017	C			SETON	05
0018	C			EXCPT	
0019	C			SETOF	05
0020	C		L	SUB L	L 40
0021	C		F	SUB F	F 10
0022	C			MOVE 1	A 10
0023	C			MOVE 2	B 10
0024	C			MOVE 3	C 10
0025	C			MOVE 1	D 10
0026	C		NEXT	TAG	
0027	C		L	ADD 1	L
0028	C		L	COMP 2401	03
0029	C	03		EXCPT	
0030	C	03		GOTO EOJ	
0031	C		D	ADD 3	E 20
0032	C		E	SUB 7	D 01
0033	C	N01		MOVE E	D
0034	C	N01		GOTO TEST	
0035	C		C	ADD 3	E
0036	C		E	SUB 7	C 01
0037	C	N01		MOVE E	C

0038	C	N01		GOTO	TEST		
0039	C		B	ADD	3	E	
0040	C		E	SUB	7	B	01
0041	C	N01		MOVE	E	B	
0042	C	N01		GOTO	TEST		
0043	C		A	ADD	3	E	
0044	C		E	SUB	7	A	01
0045	C	N01		MOVE	E	A	
0046	C		TEST	TAG			
0047	C			MOVE	A	AG,1	
0048	C			MOVE	B	AG,2	
0049	C			MOVE	C	AG,3	
0050	C			MOVE	D	AG,4	
0051	C			MOVE	F	G	
0052	C		TEST1	TAG			
0053	C		G	COMP	0		01
0054	C	01		GOTO	PRINT		
0055	C			MOVEAAA,G		AC	
0056	C			MOVE	AG	AH	
0057	C		I	SUB	I	I	10
0058	C		K	SUB	K	K	10
0059	C		H	SUB	H	H	10
0060	C		BLACK	TAG			
0061	C		H	ADD	1	H	10
0062	C		H	COMP	4		01
0063	C	01		GOTO	BLACK1		
0064	C		AC,H	COMP	AH,H		01
0065	C	N01		GOTO	BLACK		
0066	C		I	ADD	1	I	
0067	C			MOVE	' '	AC,H	
0068	C			MOVE	' '	AH,H	
0069	C			GOTO	BLACK		
0070	C		BLACK1	TAG			
0071	C		I	COMP	AE,G		01
0072	C	N01		GOTO	NEXT		
0073	C		H	SUB	H	H	
0074	C		WHITE1	TAG			
0075	C		H	ADD	1	H	
0076	C		H	COMP	4		01
0077	C	01		GOTO	TEST2		
0078	C		AC,H	COMP	' '		01
0079	C	01		GOTO	WHITE1		
0080	C		J	SUB	J	J	10
0081	C		WHITE2	TAG			
0082	C		J	ADD	1	J	
0083	C		J	COMP	4		01
0084	C	01		GOTO	WHITE1		
0085	C		AC,H	COMP	AH,J		01
0086	C	01	AH,J	COMP	' '		01
0087	C	N01		GOTO	WHITE2		
0088	C		K	ADD	1	K	10
0089	C			MOVE	' '	AC,H	
0090	C			MOVE	' '	AH,J	
0091	C			GOTO	WHITE2		
0092	C		TEST2	TAG			
0093	C		K	COMP	AF,G		01

0094	C	N01		GOTO	NEXT		
0095	C		G	SUB	1	G	10
0096	C			GOTO	TEST1		
0097	C		PRINT	TAG			
0098	C			SETON			02
0099	C			EXCPT			
0100	C			SETOF			02
0101	C		F	ADD	1	F	
0102	C			READ	KBRD		01
0103	C			MOVELANSW2	AE,F		
0104	C			MOVE	ANSW2	AF,F	
0105	C			MOVEAAG	AA,F		
0106	C			EXCPT			
0107	C		AE,F	COMP	4		01
0108	C	N01		GOTO	NEXT		
0109	C			SETON			04
0110	C			EXCPT			
0111	C			SETOF			04
0112	C		EOJ	TAG			
0113	C			SETOF			03
0114	C			SETON			06
0115	C			EXCPT			
0116	C			SETOF			06
0117	C			READ	KBRD		01
0118	C		ANS	COMP	'Y '		01
0119	C	01		GOTO	START		
0120	C			SETON			LR

0121	O	OUTPUT	E 1	05		
0122	O				11	'MASTER MIND'
0123	O		E 1	03		
0124	O				17	'YOU HAVE CHEATED!'
0125	O		E 1	02		
0126	O				FAR,A	6
0127	O				FAR,B	13
0128	O				FAR,C	20
0129	O				FAR,D	27
0130	O		E 1	04		
0131	O				14	'I SOLVED IT IN'
0132	O				F	16
0133	O				24	'ROUNDS!'
0134	O		E 1	06		
0135	O				24	'WANT TO TRY AGAIN (Y/N)?'
0136	O		E 1	02		
0137	O				7	'RESULT?'

**
 BLANK BLACK WHITE GREEN YELLOWRED BLUE

INDICATORS USED

LR 01 02 03 04 05 06

EXECUTION TIME TABLES AND ARRAYS

STMT#	TABLE/ DEFINED	DEC ARRAY	ENTRY POS	NUMBER OF ENTRIES	DTT DISP	T/A DISP
0004	AA		004	00009	0100	0145
0005	AC		001	00004	0108	0166
0006	AE	0	001	00009	0110	0130
0007	AF	0	001	00009	0118	0139
0008	AG		001	00004	0120	016A
0010	AH		001	00004	0128	016E

RG 314 UNREFERENCED FIELD NAMES

STMT# NAME

0012 DATA

FIELD NAMES USED

STMT#	NAME	DEC	LGTH	DISP
0014	ANSW2		002	0173
0015	ANS		001	0174
0020	L	0	004	0178
0021	F	0	001	0179
0022	A	0	001	017A
0023	B	0	001	017B
0024	C	0	001	017C
0025	D	0	001	017D
0031	E	0	002	017F
0057	I	0	001	0180
0058	K	0	001	0181
0059	H	0	001	0182
0080	J	0	001	0183
0095	G	0	001	0184

LABELS USED

STMT#	NAME	TYPE
0016	START	TAG
0026	NEXT	TAG
0046	TEST	TAG
0052	TEST1	TAG
0060	BLACK	TAG
0070	BLACK1	TAG
0074	WHITE1	TAG
0081	WHITE2	TAG
0092	TEST2	TAG
0097	PRINT	TAG
0112	EOJ	TAG

COMPILE TIME TABLES AND ARRAYS

STMT#	TABLE/ DEFINED	DEC ARRAY	ENTRY POS	NUMBER OF ENTRIES	DTT DISP	T/A DISP
0009	FAR		006	0007	0185	0192

FAR

BLANK BLACK WHITE GREEN YELLOWRED BLUE

END OF TABLE/ARRAY

ERROR NUMBER STATEMENT NUMBER

RG 221	0032
RG 221	0036
RG 221	0040
RG 221	0044

ERROR SEVERITY TEXT

RG 004 W	INVALID OR BLANK STORAGE SIZE TO EXECUTE ENTRY IN COL 12-14, ASSUME SYSTEM SIZE.
RG 221 W	RESULT FIELD LENGTH MAY NOT BE LARGE ENOUGH.
RG 314 W	FIELD, TABLE OR ARRAY NAME DEFINED BUT NEVER USED.

CORE USAGE OF RPGII CODE

START ADDR	NAME IF OVERLAY	CODE LENGTH	NAME	TITLE
0E00		049C	RGROOT	ROOT
12FE		0091	RGMAIN	INPUT MAINLINE
13D5		0026	RGSUBS	CONTROL FIELDS
138F		0046	RGSUBS	RECORD ID
129C		005A	RGSUBS	INPUT CTRL RTN
12F6		0008	RGSUBS	SUBSEG
13FB		0027	\$\$CSIP	5444 CONSEC INPUT
1422		0079	\$\$SRBR	SYSTEM SUBR
149B		0026	\$\$SRUA	SYSTEM SUBR
14C1		001C	\$\$SRTC	SYSTEM SUBR
14DD		0081	\$\$SRMO	SYSTEM SUBR
155E		0043	\$\$SRSB	SYSTEM SUBR
15A1		0038	\$\$SRDI	SYSTEM SUBR
15D9		002F	\$\$SRBP	SYSTEM SUBR
1608		001D	RGMAIN	INPUT FIELDS
1737		0479	RGMAIN	DETAIL CALCS
16D6		0061	RGSUBS	CONSTANTS
1625		009D	RGSUBS	OUTPUT CTRL RTN
1D8C		0043	\$\$PGRI	RESET RESULTING INDR
1CE2		00AA	\$\$PGAA	TAG (FETCH)

16C2	0008	RGSUBS	SUBSEG
1F0D	00AF	\$\$CODM	CONSOLE IO DATA MANAGMENT
1BB0	00D3	RGSUBS	EXCEPTION
16CA	000C	RGSUBS	SUBSEG
1DCF	013E	\$\$PGMA	MOVEA ROUTINE
1C83	005F	RGSUBS	SUBSEG
1FBC	001D	RGMAIN	LR & OVERFLOW PROCESSING
1FD9	0085	RGMAIN	OPEN
205E	001D	RGMAIN	CLOSE

04731 MASMIN TOTAL CORE USAGE REQUIRED TO EXECUTE
TOTAL NUMBER OF LIBRARY SECTORS REQUIRED 22
0085 RGMAIN OPEN
206C 001D RGMAIN CLOSE

04745 MASMIN TOTAL CORE USAGE REQUIRED TO EXECUTE
TOTAL NUMBER OF LIBRARY SECTORS REQUIRED 22